



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(use as many sheets as necessary)*

Application Number	10/777,649
Filing Date	February 13, 2004
First Named Inventor	Michael METZGER et al.
Art Unit	3626
Examiner Name	Vivek KOPPIKAR
Attorney Docket No.	52493.000367

Sheet 1 of 17**U.S. PATENT DOCUMENTS**

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US- 4831526	05-16-1986	Luchs et al.	
	2.	US- 4837693	06-06-1989	Schotz	
	3.	US- 4975840	12-04-1990	De Torre et al.	
	4.	US- 5191522	03-02-1993	Bosco et al.	
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	11	US- 5586313	12-17-1996	Schnittker et al.	
	12	US- 5619621	04-08-1997	Puckett	
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Sheet	2 of 17	Attorney Docket No.	52493.000367

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	26.	US- 6003007	12-14-1999	DiRienzo	
	27.	US- 6026363	02-15-2000	Shepard	
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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	3 of 17	Attorney Docket No.	52493.000367

U.S. PATENT DOCUMENTS

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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	4 of 17	Attorney Docket No.	52493.000367

U.S. PATENT DOCUMENTS

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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	5 of 17	Attorney Docket No.	52493.000367

U.S. PATENT DOCUMENTS

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		Examiner Name	Vivek KOPPIKAR
Sheet	6 of 17	Attorney Docket No.	52493.000367

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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	7 of 17	Attorney Docket No.	52493.000367

U.S. PATENT DOCUMENTS

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	181.	US-	20040230459	11-18-2004	Dordick	
	182.	US-	20030069760	04-10-2003	Gelber	
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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	8 of 17	Attorney Docket No.	52493.000367

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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	9 of 17	Attorney Docket No.	52493.000367

U.S. PATENT DOCUMENTS

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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	10 of 17	Attorney Docket No.	52493.000367

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	256.	US-	20060089860	04-27-2006	Fitzmorris	
	257.	US-	20060089861	04-27-2006	King	
	258.	US-	20060095301	05-04-2006	Gay	
	259.	US-	20060095304	05-04-2006	Madison	
	260.	US-	20060095305	05-04-2006	Madison	
	261.	US-	20060100912	05-11-2006	Kumar	
	262.	US-	20060108434	05-25-2006	Kallestad	
	263.	US-	20060122871	06-08-2006	Cowley	
	264.	US-	20040128170	07-01-2004	MacKethan et al..	

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		Filing Date	February 13, 2004
		First Named Inventor	Michael METZGER et al.
		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	11 of 17	Attorney Docket No.	52493.000367

U.S. PATENT DOCUMENTS

	265.	US-	20060129427	06-15-2006	Wennberg	
	266.	US-	20060129428	06-15-2006	Wennberg	
	267.	US-	20060241982	02-26-2006	Seifert	
	268.	US-	20060253305	11-09-2006	Dougherty	
	269.	US-	20070011033	01-11-2007	Atkinson	
	270.	US-	20060287892	12-21-2006	Jones	
	271.	US-	7127407	10-24-2006	Averill	
	272.	US-	7130779	10-31-2006	Beverina	
	273.	US-	7143051	11-28-2006	Hanby	
	274.	US-	20040019575	01-29-2004	Talbot et al.	
	275.	US-	5701400	12-23-1997	Amado	
	276.	US-	6049773	04-11-2000	McCormack et al.	
	277.	US-	2003 0187699	10-02-2003	Bonissone et al	
	278.	US-	2003 0177032	09-18-2003	Bonissone et al	
	279.	US-	2004 0220837	11-04-2004	Bonissone et al	
	280.	US-	2003 0187697	10-02-2003	Bonissone et al	
	281.	US-	2003 0182159	09-25-2003	Bonissone et al	

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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	12 of 17	Attorney Docket No.	52493.000367

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code Number-Kind Code (if known)					YES	NO
	282.	EP	0621556 A2	10-26-1994	Eastman Kodak Co.		<input type="checkbox"/>	<input type="checkbox"/>
	283.	WO	01/20512 A2	03-22-2001	General Electric Co.		<input type="checkbox"/>	<input type="checkbox"/>
	284.	WO	01/88834 A2	11-22-2001	New York University		<input type="checkbox"/>	<input type="checkbox"/>
	285.	WO	98/22936	05-28-1998	T-Netix, Inc.		<input type="checkbox"/>	<input type="checkbox"/>
	286.	PCT US	04/08256	11-18-2004	GE Financial Assurance Holdings, Inc.		<input type="checkbox"/>	<input type="checkbox"/>

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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	13 of 17	Attorney Docket No.	52493.000367

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

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			YES	NO
	287.	GONZALEZ et al., "A case-based reasoning approach to real estate property appraisal," Systems with Applications, Vol. 4, pp. 229-246, 1992	<input type="checkbox"/>	<input type="checkbox"/>
	288.	BONISSONE et al., "Evolutionary optimization of fuzzy decision systems for automated insurance underwriting," Proceedings of the 2002 IEEE International Conference on Fuzzy Systems, May 12-17, 2002, pp. 1003-1008	<input type="checkbox"/>	<input type="checkbox"/>
	289.	BONISSONE et al., "Fuzzy case-based reasoning for decision making," 2001 IEEE International Fuzzy Systems Conference, pp. 995-998	<input type="checkbox"/>	<input type="checkbox"/>
	290.	KEENEY et al., <i>Decisions with Multiple Objective: Preferences and Value Tradeoffs</i> book, 1976, John Wiley & Sons, Inc., preface pages, acknowledgement page, Chapter Headings page xv, Contents pp. xvii-xxviii	<input type="checkbox"/>	<input type="checkbox"/>
	291.	DUDA et al., "Pattern Classification" book, 2 nd Edition, John Wiley & Sons, Inc., 2001, Contents pp. vii-xvi, Preface pp. xvii-xx,	<input type="checkbox"/>	<input type="checkbox"/>
	292.	SHAFER, "A Mathematical Theory of Evidence" book, published by Princeton University Press, Princeton and London, 1976, Preface pp. ix-x, Contents pp. xi-xiii	<input type="checkbox"/>	<input type="checkbox"/>
	293.	KUNCHEVA et al., "Designing Classifier Fusion System by Genetic Algorithms," IEEE Transactions of Evolutionary Computation, vol. 4, no. 4, September 2000, pp. 327-336	<input type="checkbox"/>	<input type="checkbox"/>
	294.	CHIBELUSHI et al., "Adaptive Classifier Integration for Robust Pattern Recognition," IEEE Transactions on Systems, Man, and Cybernetics - Part B: Cybernetics, vol. 29, no. 6, December 1999, pp. 902-907	<input type="checkbox"/>	<input type="checkbox"/>
	295.	DEMPSTER, "Upper and Lower Probabilities Induced By A Multivalued Mapping," Annals of Mathematical Statistics, Harvard University, 38:, pp. 325-339, 1967	<input type="checkbox"/>	<input type="checkbox"/>
	296.	BONISSONE et al., "Selecting Uncertainty Calculi and Granularity and Experiment in Trading-Off Precision and Complexity," Uncertainty in Artificial Intelligence, Kanal & Lemmer (editors), pp. 217-247, Elsevier Science Publishers B.V. (North-Holland), 1986	<input type="checkbox"/>	<input type="checkbox"/>
	297.	BONISSONE, "Summarizing and Propagating Uncertain Information With Triangular Norms," International Journal of Approximate Reasoning, Elsevier Science Publishing Co., Inc., New York, NY, 1: pp. 71-101, 1987	<input type="checkbox"/>	<input type="checkbox"/>

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		Filing Date	February 13, 2004
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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	14 of 17	Attorney Docket No.	52493.000367

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			YES	NO
	298.	XU, <i>et al.</i> , "Methods of Combining Multiple Classifiers and Their Applications to Handwriting Recognition," IEEE Transactions on Systems, Man, and Cybernetics, vol. 22, no. 3, pp. 418-435, May/June 1992	<input type="checkbox"/>	<input type="checkbox"/>
	299.	FAIRHURST <i>et al.</i> , "Enhancing Consensus in Multiple Expert Decision Fusion," IEE Proceedings Vis. Image Signal Process, vol. 147, no. 1, 2000	<input type="checkbox"/>	<input type="checkbox"/>
	300.	RUSPINI, "Epistemic Logics, Probability, and the Calculus of Evidence," Proc. Tenth Intern Joint Conf. on Artificial Intelligence, Milan, Italy, Reasoning pp. 924-931, 1987	<input type="checkbox"/>	<input type="checkbox"/>
	301.	SCHWEIZER <i>et al.</i> , "Associative Functions and Abstract Semigroups," Publicationes Mathematicae Debrecen, 10:pp. 69-81, 1963	<input type="checkbox"/>	<input type="checkbox"/>
	302.	SRIVASTAVA <i>et al.</i> , "A Hybrid Neural Network Model for Fast Voltage Contingency Screening and Ranking," International Journal of Electrical Power & Energy Systems, vol. 22, no. 1, pp. 35-42	<input type="checkbox"/>	<input type="checkbox"/>
	303.	LAMPINEN <i>et al.</i> , "Selection of Training Samples for Learning With Hints," IJCNN 1999 IEEE, International Joint Conference on Neural Networks, vol. 2, pp. 1438-1441	<input type="checkbox"/>	<input type="checkbox"/>
	304.	ABU-MOSTAFA, "Hints and the VC Dimension," Neural Computation, vol. 5, no. 2, March 1993, pp. 278-288	<input type="checkbox"/>	<input type="checkbox"/>
	305.	DING <i>et al.</i> , "Multi-class Protein Fold Recognition Using Support Vector Machines and Neural Networks," Bioinformatics, vol. 17, no. 4, 2001, pp. 349-358	<input type="checkbox"/>	<input type="checkbox"/>
	306.	DORIZZI <i>et al.</i> , "Cooperation and Modularity for Classification Through Neural Network Techniques," Proceedings of 1993 International Conference on System, Man and cybernetics, vol. 3, pp. 469-474	<input type="checkbox"/>	<input type="checkbox"/>
	307.	PRICE <i>et al.</i> , "Pairwise Neural Network Classifiers with Probabilistic Outputs," Tesauro <i>et al.</i> , eds., Neural Information Processing Systems, vol. 7, 1994, pp. 1109-1116	<input type="checkbox"/>	<input type="checkbox"/>
	308.	VAUGHN <i>et al.</i> , "Interpretation and Knowledge Discovery from a Multilayer Perception Network that Performs Whole Life Assurance Risk Assessment," Neural Computing & Applications, Springer-Verlag London	<input type="checkbox"/>	<input type="checkbox"/>

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		Art Unit	3626
		Examiner Name	Vivek KOPPIKAR
Sheet	15 of 17	Attorney Docket No.	52493.000367

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			YES	NO
	309	COLLINS <i>et al.</i> , "An Application of a Multiple Neural Network Learning System to Emulation of Mortgage Underwriting Judgements," Proceedings of the IEEE International Conference on Neural Networks, 1988, pp. II-459 through II-466	<input type="checkbox"/>	<input type="checkbox"/>
	310	NOSSEK <i>et al.</i> , "Classification Systems Based on Neural Networks," the Fifth IEEE International Workshop on Cellular Neural Networks and their Applications, London, England, April 14-17, 1998, pp. 26-33	<input type="checkbox"/>	<input type="checkbox"/>
	311	ABU-MOSTAFA, "A Method for Learning from Hints," in Hanson, Cowan & Giles eds., Advances in Neural Information Processing Systems, vol. 5, pp. 73-80, Morgan Kaufmann, San Mateo, CA	<input type="checkbox"/>	<input type="checkbox"/>
	312	BERADI <i>et al.</i> , "The Effect of Misclassification Costs on Neural Network Classifiers," Decision Sciences, vol. 30, no. 3, summer 1999, pp. 659-682	<input type="checkbox"/>	<input type="checkbox"/>
	313	TONG <i>et al.</i> , "Linguistic Approach to Decisionmaking with Fuzzy Sets," IEEE Transactions on Systems, Man, and Cybernetics, vol. SMC-10, no. 11, November 1990, pp. 716-723	<input type="checkbox"/>	<input type="checkbox"/>
	314	MACCRIMMON, "An Overview of Multiple Objective Decision Making," editors Cochrane and Zeleny, 1973, pp. 18-44	<input type="checkbox"/>	<input type="checkbox"/>
	315	KUNG <i>et al.</i> , "On Finding the Maxima of a Set of Vectors," Journal of the Association for Computing Machinery, vol. 22, no. 4, October 1975, pp. 469-476	<input type="checkbox"/>	<input type="checkbox"/>
	316	BENTLEY <i>et al.</i> , "On the Average Number of Maxima in a Set of Vectors and Applications," Journal of the Association for Computing Machinery, vol. 25, no. 4, October 1978, pp. 536-543	<input type="checkbox"/>	<input type="checkbox"/>
	317	SIMON, "A Behavioral Model of Rational Choice," Quarterly Journal of Economics, vol. 69, no. 1, February 1955, pp. 99-118	<input type="checkbox"/>	<input type="checkbox"/>
	318	ZIONTS, "Decision Making: Some Experiences, Myths and Observations," Multiple criteria Decision Making: Proceedings of the Twelfth International Conference, Lecture notes in Economics and Mathematical Systems, vol. 448, Hagen (Germany), 1997, pp. 233-241	<input type="checkbox"/>	<input type="checkbox"/>
	319	FRIEDMAN, "Multivariate Adaptive Regression Splines," Annals of Statistics, SLAC PUB-4960 Rev, Tech Report 102 Rev, August 1990, pp. 1-79	<input type="checkbox"/>	<input type="checkbox"/>

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		Examiner Name	Vivek KOPPIKAR
Sheet	16 of 17	Attorney Docket No.	52493.000367

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			YES	NO
	320	SCHUMAKER, Discussion of FRIEDMAN paper, " <i>Multivariate Adaptive Regression Splines</i> ," pp. 1-2	<input type="checkbox"/>	<input type="checkbox"/>
	321	OWEN, Discussion of FRIEDMAN paper, " <i>Multivariate Adaptive Regression Splines</i> ," pp. 1-9 & Figs. 1-4	<input type="checkbox"/>	<input type="checkbox"/>
	322	STONE, Discussion of FRIEDMAN paper, " <i>Multivariate Adaptive Regression Splines</i> ," pp. 1-3	<input type="checkbox"/>	<input type="checkbox"/>
	323	O'SULLIVAN, Some Comments on FRIEDMAN paper, " <i>Multivariate Adaptive Regression Splines</i> ," pp. 1-6	<input type="checkbox"/>	<input type="checkbox"/>
	324	BREIMAN, Discussion of FRIEDMAN paper, " <i>Multivariate Adaptive Regression Splines</i> ," 8 pages	<input type="checkbox"/>	<input type="checkbox"/>
	325	GOLUBEV <i>et al.</i> , Discussion of FRIEDMAN paper, " <i>Multivariate Adaptive Regression Splines</i> ," 2 pages	<input type="checkbox"/>	<input type="checkbox"/>
	326	BUJA <i>et al.</i> , Discussion of FRIEDMAN paper, " <i>Multivariate Adaptive Regression Splines</i> ," pp. 1-5	<input type="checkbox"/>	<input type="checkbox"/>
	327	GU <i>et al.</i> , Comments on FRIEDMAN paper, " <i>Multivariate Adaptive Regression Splines</i> ," pp. 1-10, rev. June 5, 1990	<input type="checkbox"/>	<input type="checkbox"/>
	328	BARRON <i>et al.</i> , Discussion of FRIEDMAN paper, " <i>Multivariate Adaptive Regression Splines</i> ," pp. 1-12 and 2 pages of Tables, July 1990, University of IL	<input type="checkbox"/>	<input type="checkbox"/>
	329	FRIEDMAN, " <i>Rejoinder</i> ," pp. 1-14	<input type="checkbox"/>	<input type="checkbox"/>
	330	GOETZ, "A Fuzzy Future For MIS?", Informationweek, p. 51, February 25, 1991, ISSN: 8750-6874. Dialog ID number 01544473, From Dialog file 16 (Gale Group)	<input type="checkbox"/>	<input type="checkbox"/>

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Sheet	17 of 17	Attorney Docket No.	52493.000367

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			YES	NO
	331	ALLWEIN <i>et al.</i> , "Reducing Multiclass to Binary: A Unifying Approach for Margin Classifiers", Journal of Machine Learning Research, Volume 1, (2000), pp. 113-141	<input type="checkbox"/>	<input type="checkbox"/>
	332	RUBTSOV <i>et al.</i> , "A Unified Format for Trained Neural Network Description", Neural Network, Proceedings IJCNN '01 International Joint Conference, Volume 4, pp. 2367-2372, Meeting date: July 15-19, 2001	<input type="checkbox"/>	<input type="checkbox"/>
	333	YANG, " An Evaluation of Statistical Approaches to Text Categorization", Kluwer Academic Publishers, Information Retrieval 1, pp. 69-90	<input type="checkbox"/>	<input type="checkbox"/>
	334	FOLTIN et al., " <i>Beyond expert systems: Neural networks in accounting</i> ," National Public Accountant, June 1996, pp. 26-30, v41n6	<input type="checkbox"/>	<input type="checkbox"/>
	335		<input type="checkbox"/>	<input type="checkbox"/>
	336		<input type="checkbox"/>	<input type="checkbox"/>
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